FIG. 1

F I G. 2

A

1 2

B

1 2

Site correlation values   Group correlation values   C
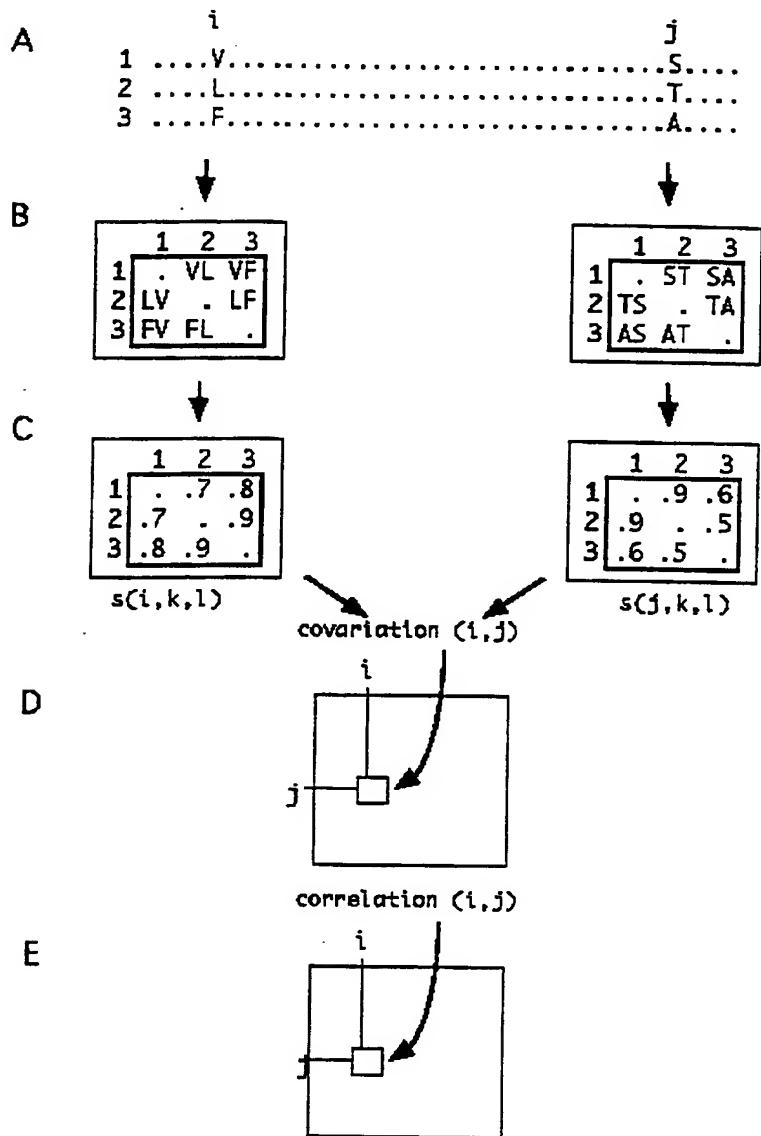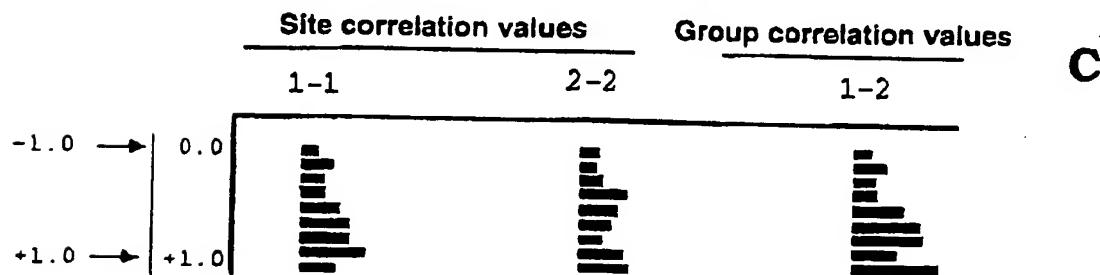
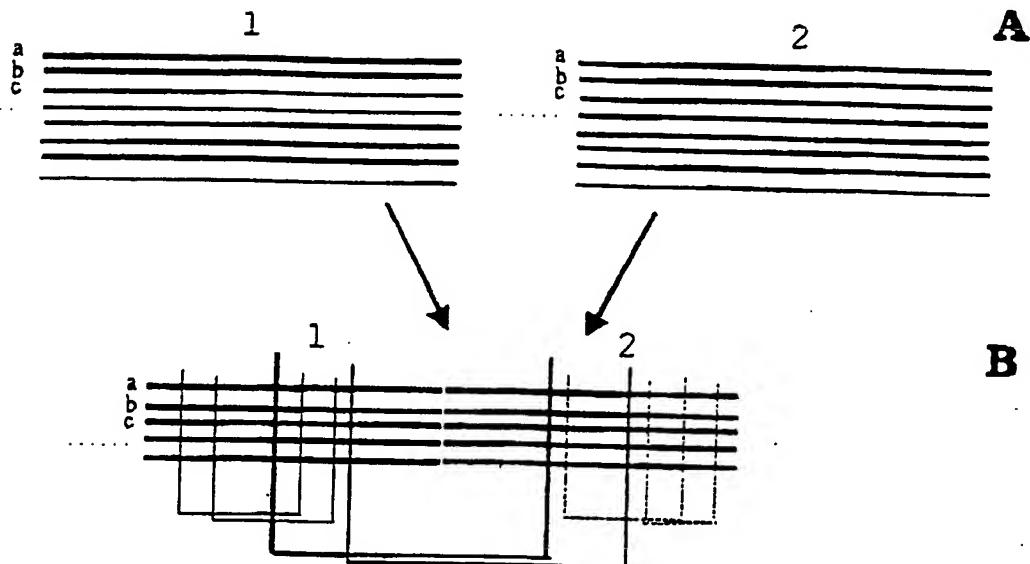1-1   2-2   1-2

-1.0 → | 0.0

+1.0 → | +1.0

$$C_{12} = \sum_{i=0.0}^{1.0} \frac{P_{12i}}{P_{11i} + P_{22i}} \, i$$ D

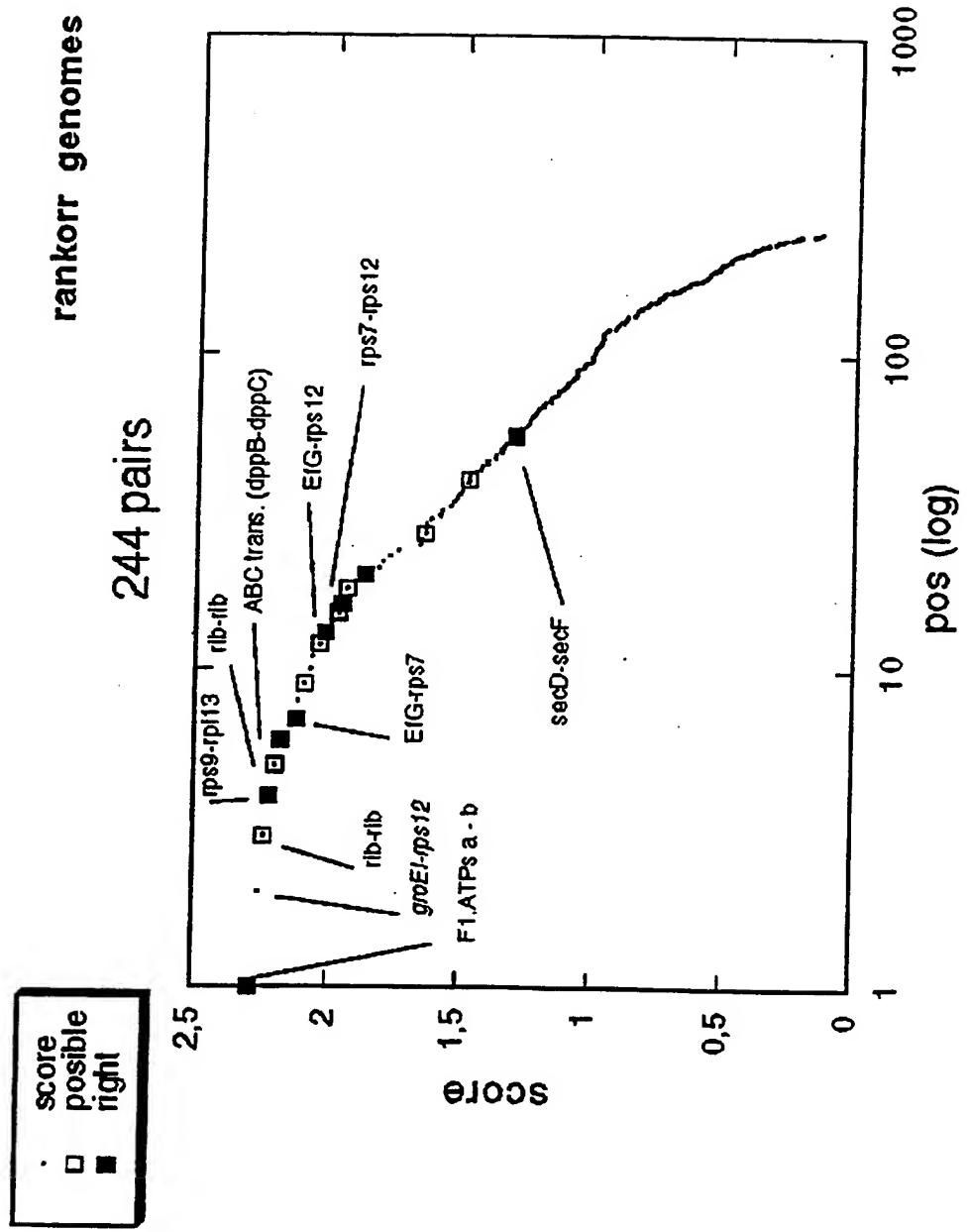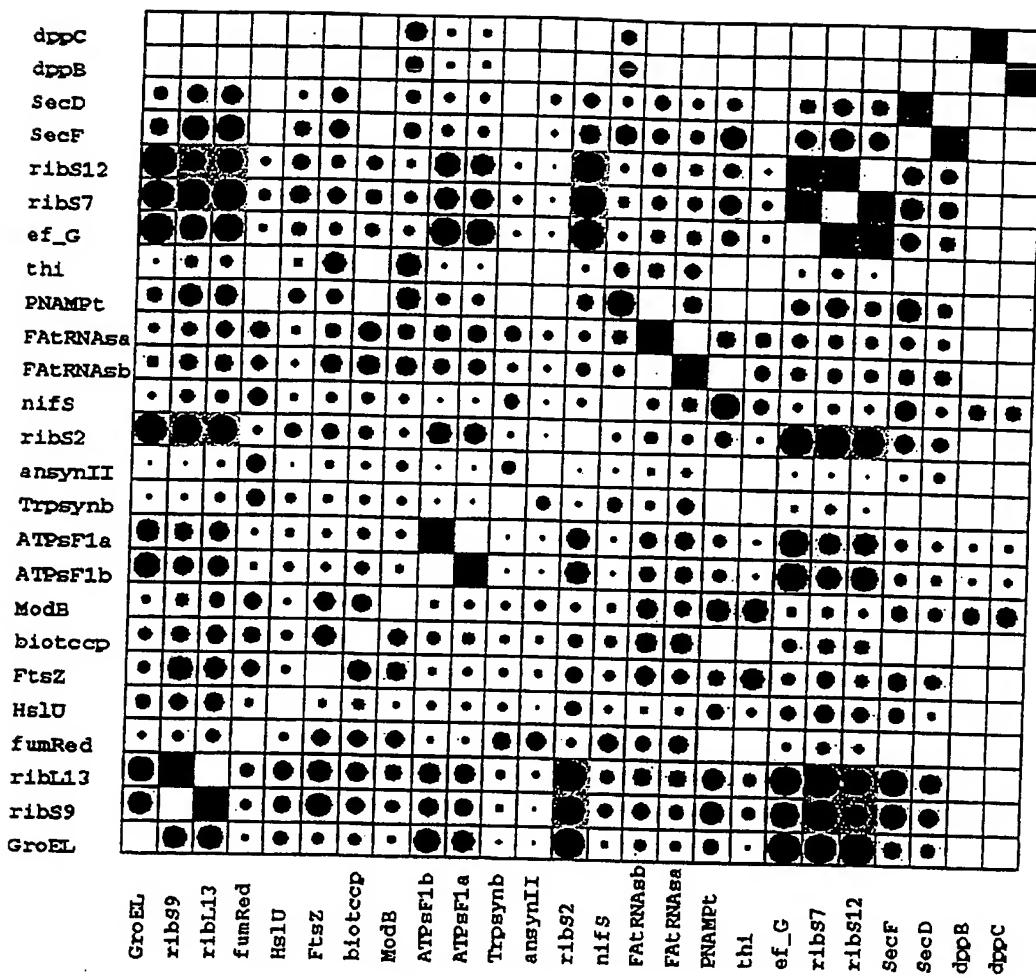$$S_{12} = \frac{C_{12} - \overline{C_1}}{\sigma_1}$$ E

F I G . 3

F I G. 4

F I G. 5